

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 7:00 AM

**Daily Diary Report by Bid Item**

Contract No.: 04-0120F4

Diary #: 1113 Const Calendar Day: 686 Date: 21-Apr-2014 Monday

Inspector Name: Brignano, Bob Title: Transportation Engineer

Inspection Type:

Shift Hours: Break: Over Time:

Federal ID:

Location:

Reviewer: Schmitt, Alex Approved Date: Status: Submit

**04-0120F4  
04-SF-80-13.2/13.9  
Self-Anchored  
Suspension Bridge****Weather**

Temperature	7 AM	12 PM	4 PM
Precipitation			Condition partly cloudy

Working Day ☒ If no, explain:**Diary:**

Dispute

**General Comments**

CCO 314, SAMPLING AND TESTING A354 GRADE BD MATERIAL:



ABF Engineer Kelvin Chen is working part time in the field and office on CCO 314.

Crews at the Pier 7 warehouse area are working an 8-hour shift 0700 through 1530 today. Ironworkers CJ Biskner (foreman) and Kyle Crowley work about a half day (approximately 1000 to 1130) at the test rigs on partial teardown of TR's 12 and 13, and then work the remainder of the morning and afternoon on non-CCO 314 operations elsewhere at the Pier 7 warehouse area. Portions of the shift not spent at the CCO 314 test rigs are not covered in this diary. ABF Ironworker Donald Plumb, Ironworker Charles (Rand) Clayborn, and Laborer Carlos (Pedro) Garcia work all day at the test rigs on CCO 314 for the modification of TR's 1-4 to TR's 14-17.

ABF continues work modifying TR's 1-4 to TR's 14-17 with Ironworkers Donald Plumb and Charles (Rand) Clayborn. Don starts at TR 3 (convert to TR 16) north end where he air-arcs to remove the existing doubler plate and also removes the feet extensions per the plans (to provide access for welding the new doubler plate). Meanwhile, Rand starts by welding the new doubler plate at the TR 3 (convert to TR 16) south end. He completes this welding about 1035. Smith-Emery QC Bernie Docena is present for the MT of jacking rods, but he also MT's this completed doubler plate. He performs 100% MT of the 16mm per plan fillet weld. After completing the work at TR 3 (convert to TR 16) south end, Rand moves to TR 2 (convert to TR 15) where he air arc removes the existing doubler plate at the south and then starting approximately 1330 he air arc removes the existing doubler plate at the north. Meanwhile, at the TR 3 (convert to TR 16) north end, after removing the existing doubler plate, Don fits up the new doubler plate, including drilling new holes and cutting the new handhole in the test rig top plate.

Smith-Emery QC Bernie Docena is present (0700 through 1530) for the MT of jacking rods – previously used at TR's 1-4 and planned for reuse at TR's 14-17. When he examines the cleaned rods in the morning, he says that they are not clean enough. Laborer Carlos (Pedro) Garcia then spends the day cleaning the rods again. As rods are cleaned, Bernie MT's the completed rods. For QA is CT-METS Simion Ramirez. Note that some of the threads are galled or damaged. These are not MT issues but VT issues. The damaged threads are noted and will be addressed in the future – the plan is to cut off the ends of the rods if damaged, because the rods are longer than they need to be. The first rod (previously used at TR 4) is cleaned by 0930 and is MT inspected until about 1000, with no indications found. While Smith-Emery QC Bernie Docena is doing MT inspection of the first jacking rod, Laborer Carlos (Pedro) Garcia cleans the inside of 6 nuts planned for reuse. Then, when the Laborer Carlos (Pedro) Garcia is cleaning the second rod, Smith-Emery QC Bernie Docena VT inspects the 6 nuts. He finds no issues with the threads in these 6 nuts. The cleaning of the second rod (previously used at TR 3) starts about 1030



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and is complete about 1130. MT of the second rod starts about 1130 and is complete about 1200. The cleaning of the third rod (previously used at TR 1) starts about 1200 and is complete about 1345. MT of the third rod starts about 1345 and is complete about 1400. The cleaning of the fourth rod (previously used at TR 2) starts about 1400 and is complete about 1430. MT of the third rod starts about 1430 and is complete about 1445. After completion of the cleaning and MT of the four previously used jacking rods, Laborer Carlos (Pedro) Garcia starts cleaning a fifth rod that is a spare rod from TR's 1-4 and does not require MT.

Ironworkers CJ Biskner (foreman) and Kyle Crowley start work approximately 1000 at TR's 12 and 13 for the partial teardown of these TR's with completed tests. They start by removing k-rail – 2 each CT bought 10' k-rail and 2 each ABF 20' k-rail – in the morning. Then, in the afternoon, they remove more k-rail – 2 each CT bought 10' k-rail and 2 each ABF 20' k-rail.

Then, the ironworkers drain the unused NaCl Solution from the two 300 gallon tanks at TR's 12-13. The remaining NaCl Solution is put into clean 55-gallon barrels, sealed, taken to the warehouse for storage. Two 55-gallon barrels are filled from the TR 13 tank and three 55-gallon barrels are filled from the TR 12 tank. There is also a sixth 55-gallon barrel that gets about 10 gallons in it; also note that there is an older 55-gallon barrel that has about 5 gallons in it from the previous emptying of the 300 gallon tanks at TR's 5-11. Note that the 300 gallon tanks are emptied by running a hose from the valve near the bottom and there is actually a small amount of NaCl Solution that remains in the tanks when this operation is complete.

Then, after emptying the 300 gallon tanks (except some NaCl Solution that remains in the bottom of the tanks), the ironworkers resume removing other items at the test rigs. They remove 2 more CT bought 10' k-rail, pull out sandbags that were on pallets (do not remove sandbags that need to be individually addressed), move the two 300 gallon tanks along with the platform under the tanks with the SWPPP containment, remove 2 more CT bought 10' k-rail (last of the 10' k-rail), pull out 2 rented (Jensen) 20' k-rail, and remove some 12x12's and crane mats.

A 7kW generator – Whisperwatt 7000 – ABF ID 002343 is used by the laborer for power tools for prep work on jacking rods. A 40kW generator – MQ Power 40 – ABF ID 002051 is on idle/standby at the test rig work area. A Hydraulic Pump for running the jacks is on idle/standby at the test rig work area. An oxyacetylene torch is used at the test rig work area. A compressor – IR P185 ABF ID 000002 is used at the test rig work area. A welding machine – Lincoln Vantage 500 ABF ID 000074 is used at the test rig work area. A second welding machine – Lincoln Vantage 500 ABF ID 002082 is brought to the test rig work area and is used. An extendable forklift and a Hyster 80 forklift are used at the test rig work area for the material removal at TR's 12 & 13. A Kubota Cart is used by the laborer and ironworkers working on the modifications to the test rigs.

Note that there is k-rail at this work area. Some of the k-rail is rented and addressed by the rental agreement. Some of the k-rail is ABF's k-rail used on site and paid as rented from ABF on a daily basis. To elevate the k-rail, crane mats and timber blocking (12x12's) are in use. The k-rail quantities are as follows:

10' bought k-rail = 20 pieces

10' ABF k-rail = 6 pieces

20' rented k-rail = 10 pieces

20' ABF k-rail = 11 pieces (removed 4 today)

Note that this includes three 20' ABF k-rail between the CCO 314 work area and FW Spencer's yard, with that k-rail being in place prior to the CCO work and not related to CCO 314. Also a fourth 20' ABF k-rail is between the CCO 314 work area and FW Spencer's yard along the fence line near the BayView Trailer. Seven of the ABF 20' k-rail are in TR's 1-4.

The agreed extra work with ABF is as follows:

Ironworker Donald Plumb - 8 hrs

Ironworker Charles (Rand) Clayborn - 8 hrs

Laborer Carlos (Pedro) Garcia - 8 hrs



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Ironworker foreman CJ Biskner - 4 hrs

Ironworker Kyle Crowley - 4 hrs

Extendable Forklift - 4 hr

Small Forklift - 4 hr

185 CFM Compressor - 8 hr

Vantage 500 Welder (2 each) - 16 hrs

7kW Generator - 8 hrs

Kubota Cart - 8 hrs

k-rail: 6 pcs @20' and 4 pcs @10'

Crane Mats (12x12 - 5'x16') - 2 pcs

Crane Mats (12x12 - 5'x7') - 8 pcs

See the attached Extra Work Order - Signed with ABF for CCO 314 work

The agreed extra work with ABF for Smith-Emery is as follows:

Smith-Emery QC Bernie Docena - 8 hrs Reg and 0.5 hr OT (includes travel time)

See the attached Extra Work Order - Signed with ABF for CCO 314 work